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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/791,562

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Sung-Kwon Kim

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28249

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04/21/2006

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EXAMINER

FANTU, YALKEW

ART UNIT

PAPER NUMBER

2838

DATE MAILED: 04/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

18

Office Action Summary	Application No. 10/791,562	Applicant(s) KIM ET AL.	
	Examiner Yalkew Fantu	Art Unit 2838	

**– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 1, 2, 10, 14 and 15 are objected to because of the following informalities:

Claims 1 and 10, the phrase "bar type" renders the claims indefinite because the addition of the word "type" to an otherwise definite expression "portable wireless terminal" extend the scope of the expression so as to render it indefinite.

On the same claims, the expressions "upper body and a lower body coupled to the lower end of the upper body, being capable of rotating about an axis of rotation extending in the longitudinal direction of the upper body" and "providing a rotation space for the lower body of the terminal;

on claim 2, the expression "mounting the upper body of the terminal", and

on claims 14 and 15, the expressions "providing a rotation space for a body rotatably coupled to an end of the stationary body" and "for mounting the stationary body of the terminal" respectively are not parts of the claims.

Appropriate correction is required.

2. ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 2, 3, 8, 9, 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Hahn (US 5,847,541).

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With respect to claims 1 and 14 Hahn discloses a desktop charger (Fig. 5, 80): comprising a charger housing (Fig. 5, 82), a slot (Fig.5, 84), and an opening (Fig. 5, the space or elevated cradle between 88).

Regarding claims 2 and 15, Hahn discloses a slot provided with a resting surface on its bottom (Fig. 5, 88).

Regarding claims 3 and 16, a charging terminal on the slot to supply power (Fig. 6, 102; col.5, 56).

With respect to claims 8, 9 and 17, wherein the opening is surrounded by closing walls (Fig. 6, 82), and an opening extending from an end of the slot (Fig. 5, extending from one side of 88 to the other).

4. *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, 6, 7, 10-12 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hahn (US 5,847,541) in view of Yamaguchi et al. (US 2002/0043958).

With respect to claim 6 and 10, Hahn discloses a desktop charger (Fig. 5, 80): comprising a charger housing (Fig. 5, 82), a slot (Fig.5, 84), and an opening (Fig. 5, the space or elevated cradle between 88); a support assembled with the rear (Fig. 3, 54) as

set forth above in the 35 USC 102 rejection, however, does not disclose a foldable support, and an external power input.

The Yamaguchi et al. reference, however, teaches a foldable support (Page 1, paragraph 0008; Fig. 19) and external power input (Fig. 1, 8)

Regarding claims 5, 7, 11, 12 and 18 Yamaguchi et al. teaches a connector for connection with an external device (Page 2, paragraph 0018), and external power input (Fig. 1, 8), and a support, which is pivotally assembled (Fig. 12A).

Hahn and Yamaguchi et al are analogous art because they are from the same field of endeavor namely battery charger.

At the time of invention, it would have been obvious to a person of ordinary skill in the art, to have added a foldable support, an external power input, and pivoted support to the charger of Hahn in view of the teachings of Yamaguchi.

The suggestion and motivation for doing so would have been obvious in view of the teachings of Yamaguchi that by adding a foldable stand in order to fold the stand and charger when it is not in use. The support, which has pivotal connection, helps a free move at a predetermined angle of rotation.

Therefore, it would have been obvious to combine Hahn with Yamaguchi for the benefit of folding the charger stand when it is not in use to so as to protect from exposing the charging terminals.

6. Claims 4 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hahn (US 5,847,541) further in view of Jinnouchi.

With respect to claims 4 and 13, Hahn discloses a desktop charger as set forth above in the 35 USC 102 rejection above, however, does not disclose a Man Machine Communication (MMC) slot.

The Jinnouchi reference teaches slots for multiple purposes (Fig.1, 203 and 204).

Hahn and Jinnouchi are analogous art because they are from the same field of endeavor namely battery charger.

It would have been obvious to a person of ordinary skill to add additional slots for MMC to the charger of Hahn in view of the teachings of Jinnouchi. The motivation for doing so would have been obvious in view of the teachings of Jinnouchi that by adding a slot the functionality of the charger could be expanded and used for a Man Machine communication device to obtain the invention as specified in the claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yalkew Fantu whose telephone number is 571-272-8928. The examiner can normally be reached on (M-F);(8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Adolf Denekas Bernano
Primary Examiner